

## CLAIMS

What is claimed is:

- 5                   1.    A method for generating source code  
comprising:  
                  generating    a   translation   file   containing  
translation logic;  
                  inputting the translation file into a code  
10 generator; and  
                  generating translation source code as a function  
of the translation file.
2.    The method of Claim 1 further comprising:  
15                   generating a plurality of translation files; and  
                  inputting the plurality of translation files into  
the code generator.
3.    The method of Claim 1 further comprising:  
20                   generating a logical model using a modeling tool;  
                  translating the logical model into a unified  
model; and  
                  inputting the unified model into the code  
generator.
- 25                   4.    The method of Claim 3 further comprising  
generating at least one source code object as a function of  
the unified model.
- 30                   5.    The method of Claim 3 wherein said  
generating of at least one source code object comprises  
generating at least one interface definition language  
element.
- 35                   6.    The method of Claim 3 further comprising:

storing the unified model in a schema repository;  
and  
storing the translation file in the schema repository.

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7. The method of Claim 1 further comprising:  
storing the translation file in the schema repository.

10 8. The method of Claim 1 wherein the translation file contains translation logic to translate data from a database into a standard format.

15 9. A method of generating source code objects comprising:

providing a code generator with a unified model represented in a unified modeling language;

providing the code generator with a system definition;

20 providing the code generator with a translation file in the unified modeling language;

generating source code objects as a function of the unified model and the system definition; and

25 generating source code objects as a function of the unified model and the translation file.

10. The method of claim 9 wherein the system definition comprises a plurality of templates, each defining at least one service within a framework.

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11. The method of claim 9 further comprising:  
generating a logical model using a modeling tool;

and

35 translating the logical model into the unified model.

12. The method of claim 9 wherein the generating of source code objects as a function of the unified model and the translation file comprises generating source code to translate an object element from the unified model into a standard format.

13. A system for accessing a database through a translation layer comprising:

10           a first database;  
            a translation layer, defined by translation source code; and  
            an application for accessing the first database through the translation layer.

15           14. The system of claim 13 further comprising:  
            a second database;  
            wherein the application accesses the second database through the translation layer.

20           15. The system of Claim 14 wherein the data coming from the first database and the second database is received by the application in a standard format.

25           16. The system of Claim 15 further comprising:  
            a first unified model representing the first database; and  
            a second unified model representing the second database.

30           17. The system of Claim 13 further comprising a first unified model representing the first database.

18. The system of Claim 17 further comprising:

a logical model for modeling the first database;  
and  
a system definition.

5           19. The system of Claim 13 wherein the  
translation layer translates data coming from the first  
database into a standard format.

10           20. The system of Claim 19 further comprising:  
a second database;  
wherein the translation layer translates data  
coming from the second database into the standard format.

15           21. A method for generating source code objects  
comprising:  
generating a logical model using a modeling tool;  
translating the logical model into a  
corresponding unified model;  
generating a system definition comprising a  
20 template, the template defining at least one service within  
a framework; and  
generating at least one source code object as a  
function of the unified model, and the template.

25           22. The method of claim 21 wherein the  
translating of the logical model comprises generating at  
least one Unified Modeling Language (UML) element.

30           23. The method of claim 21 wherein the generating  
of the system definition comprises generating in the  
template at least one JavaScript element.

            24. The method of claim 21 wherein said  
generating of at least one source code object comprises

generating at least one interface definition language element.

25. The method of claim 21 further comprising:  
5 defining an adaptor, the adaptor defining a translation from the modeling tool.

26. The method of claim 21 further comprising:  
storing the unified model in a schema repository;  
10 wherein said generating of the source code objects comprises retrieving the unified model.

27. The method of claim 21 further comprising:  
retrieving data from a database by employing the  
15 source code objects and the unified model to define a relationship between an object oriented database query and the data.

28. The method of claim 21 further comprising:  
20 generating a translation file, the translation file containing translation logic; and  
generating at least one source code object as a function of the translation file.

29. The method of claim 28 further comprising:  
25 storing the translation file in a schema repository.